

CLAIMS

1/ An extrudable and curable insulating composition that is resistant to oil and to propagating fire, the composition comprising a chlorinated polyolefin and a curing amino-silane, and comprising a basic mixture containing said chlorinated polyolefin, and for 100 parts by weight thereof, 100 to 250 parts by weight of a mineral filler containing moisture and an agent for treating said filler by reacting with the moisture contained therein, an said amino-silane.

2/ A composition according to claim 1, wherein said agent for treating said filler is a silane compound that is substantially inert relative to said chlorinated polyolefin.

3/ A composition according to claim 2, including 0.5 to 5 parts by weight of said treatment agent per 100 parts by weight of said filler.

4/ A composition according to claim 1, wherein said filler is based on chalk.

5/ A composition according to claim 1, wherein said filler includes an antimony compound, constituting 2% to 10% of the total weight of said filler.

6/ A composition according to claim 1, including an auxiliary polymeric compound for temporarily retaining and diffusing at least said amino-silane throughout said composition.

7/ A composition according to claim 6, wherein said auxiliary polymeric compound is selected from polymers suitable for containing at least said amino-silane while remaining in solid form, and those suitable for adsorbing at least said amino-silane almost instantaneously.

8/ A composition according to claim 1, wherein its content by weight of said filler is 1.4 to 1.7 times its content by weight of the chlorinated polyolefin.

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9/ A method of preparing the composition according to claim 1, consisting in mixing the following together while heating them: said chlorinated polyolefin, said filler, and said treatment agent, thereby obtaining said
10 basic mixture which has been made uniform and then transformed, and in adding said amino-silane to said transformed basic mixture during extrusion thereof.

10/ A method according to claim 9, wherein said basic
15 mixture is made at a temperature rising to about 130°C.

11/ A method according to claim 9, consisting in mixing said transformed basic mixture and a solid auxiliary polymeric compound containing said amino-silane, in an
20 extruder hopper.

12/ A method according to claim 9, consisting in injecting said amino-silane onto said transformed basic mixture having an auxiliary polymeric compound added
25 thereto which adsorbs said injected amino-silane almost instantaneously, in an extruder hopper.

13/ A method according to claim 9, wherein said composition is extruded at a temperature in the range
30 90°C to 145°C.